

Title (en)
ENERGY STORAGE SYSTEMS AND ASSOCIATED METHODS

Title (de)
ENERGIESPEICHERSYSTEME UND ZUGEHÖRIGE VERFAHREN

Title (fr)
SYSTÈMES DE STOCKAGE D'ÉNERGIE ET PROCÉDÉS ASSOCIÉS

Publication
EP 2467919 A4 20170524 (EN)

Application
EP 10810482 A 20100817

Priority
• US 23461609 P 20090817
• US 2010045748 W 20100817

Abstract (en)
[origin: WO2011022390A2] A method for responding to a change in electric power demand includes (1) charging an energy storage subsystem from an electric power grid, (2) discharging the energy storage subsystem into the electric power grid at a discharge rate that is less than a maximum rate of discharge of the energy storage subsystem, and (3) adjusting the discharge rate in response to a signal selected from the group consisting of a signal to provide a regulation up service and a signal to provide a regulation down service. An energy storage system includes an energy storage subsystem for storing electric power, an interface for interfacing the energy storage subsystem with an electric power grid, and a controller configured to control operation of the interface in response to a signal to provide a regulation up service and a signal to provide a regulation down service.

IPC 8 full level
H02J 3/00 (2006.01); **H02J 3/28** (2006.01); **H02J 3/32** (2006.01); **H02J 13/00** (2006.01)

CPC (source: EP US)
H02J 3/28 (2013.01 - EP US); **H02J 3/32** (2013.01 - EP US); **H02J 3/008** (2013.01 - EP US); **Y04S 50/10** (2013.01 - EP US)

Citation (search report)
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DOCDB simple family (publication)
WO 2011022390 A2 20110224; WO 2011022390 A3 20110512; CA 2770747 A1 20110224; EP 2467919 A2 20120627; EP 2467919 A4 20170524; JP 2013502898 A 20130124; US 2012146585 A1 20120614; US 9257846 B2 20160209

DOCDB simple family (application)
US 2010045748 W 20100817; CA 2770747 A 20100817; EP 10810482 A 20100817; JP 2012525640 A 20100817; US 201213399564 A 20120217